CLAIMS

The embodiment of the invention in which an exclusive property or privilege is claimed is defined as follows:

1 1. A device to protect the neck and the base of the skull of a person, the device comprising:

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- a) a first impact-resistant pliable substrate whereby said substrate is adapted to encircle an extended portion of the person's neck and lower cranium;
- b) straps extending from said substrate and comprising means allowing closure of the straps around a ventral region of the neck.
- 2. The device as recited in claim 1 wherein the closure of the straps results in the juxtaposition of a rigid planar substrate overlying the person's trachea, wherein the planar substrate is attached to one of said straps.
- 3. The device as recited in claim 1 further comprising a second substrate underlaying the first substrate.
- 1 4. The device as recited in claim 1 further comprising a means for reversibly attaching to a helmet.

1	5.	The device as recited in claim 1 wherein the device is integrally molded to	
2	a helmet.		
1	6.	The device as recited in claim 3 whereby the second substrate is adapted	
2	to receive fluid.		
1	7.	The device as recited in claim 3 wherein the second substrate comprises	
2	a plurality o	of reversibly deformable substrates.	
1	8.	The device as recited in claim 3 wherein the first substrate, the second	
2	substrate, and the straps are radio-translucent.		
1	9.	The device as recited in claim 2 wherein the substrate is defined by an	
2	arcuate out	er shell overlaying a cushioning substrate.	
1	10.	The device as recited in claim 1 wherein reversibly deformable material	
2	is integrally molded with said first substrate.		
1	11.	The device as recited in claim 3 including a means for regulating fluid	
2	flow throug	low through the second substrate.	
1	12.	The device as recited in claim 3 wherein the first substrate and the	
2	second substrate are integrally molded to each other.		
1	13.	The device as recited in claim 3 wherein the second substrate is adapted	
2	to removably receive a hot-pack or a cold-pack.		
1	14.	The device as recited in claim 1 wherein said first substrate extends to a	
2	region below the person's seventh vertebra.		

15. 1 The device as recited in claim 1 wherein the first substrate is adapted to 2 reversibly receive a hot-pack or a cold-pack. 1 16. A device for imparting physical protection and predetermined temperature 2 to the human neck, the device comprising: 3 a) a first substrate extending along the vertebra column of the region; 4 b) a second substrate integrally molded to the first substrate and extending 5 along lateral portions of the neck; and 6 a means for positioning cold packs or hot packs within the device so as to 7 effect the temperature of the neck. 1 17. The device as recited in claim 16 wherein the first substrate is more rigid 2 than the second substrate. 1 18. The device as recited in claim 16 wherein the positioning means is a 2 cavity defined by a portion of the second substrate, wherein the cavity is adapted to 3 receive the cold packs or hot packs. 1 19. The device as recited in claim 16 wherein the second substrate further 2 comprises a plurality of straps, each of said straps terminating with complementary 3 closure means and each of said straps having a length sufficient to encircle the front of the neck so as to facilitate engagement the closure means. 4 1 20. The device as recited in claim 19 further comprising a third substrate

attached to one of said straps such that when the straps encircle the neck, the third

substrate directly overlays a tracheal region of the neck.

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